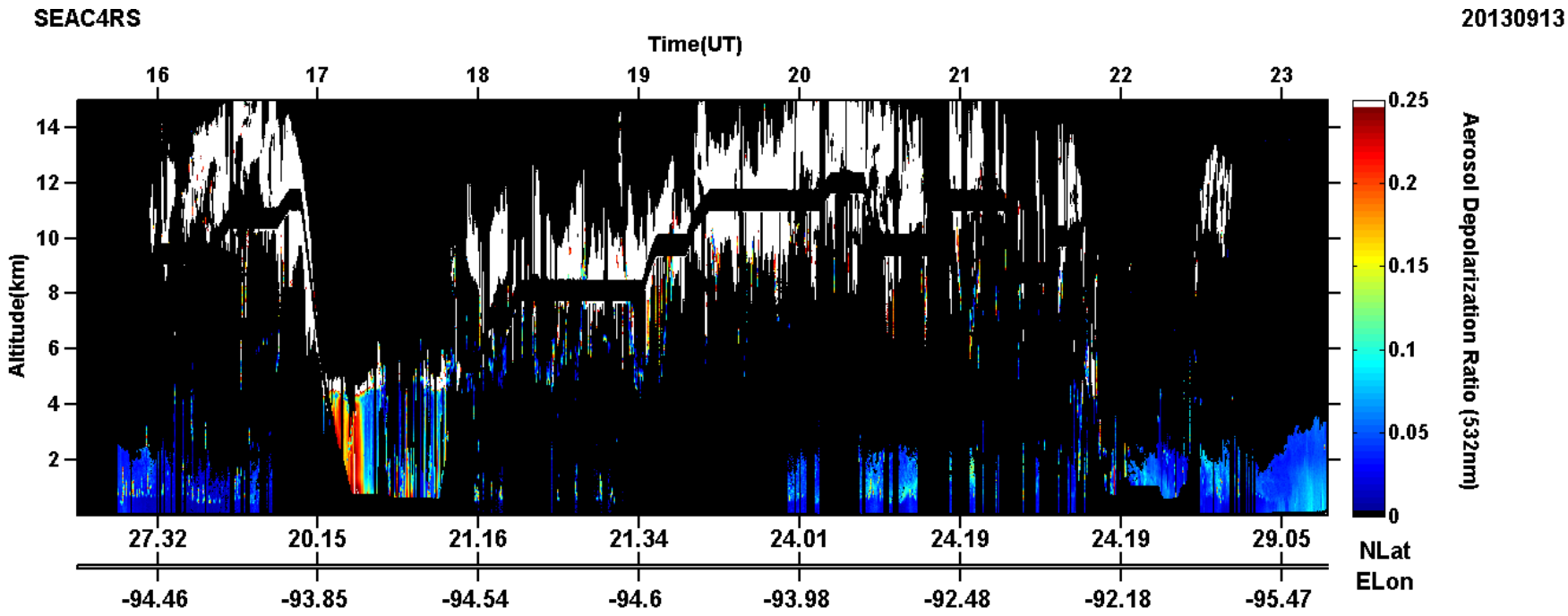
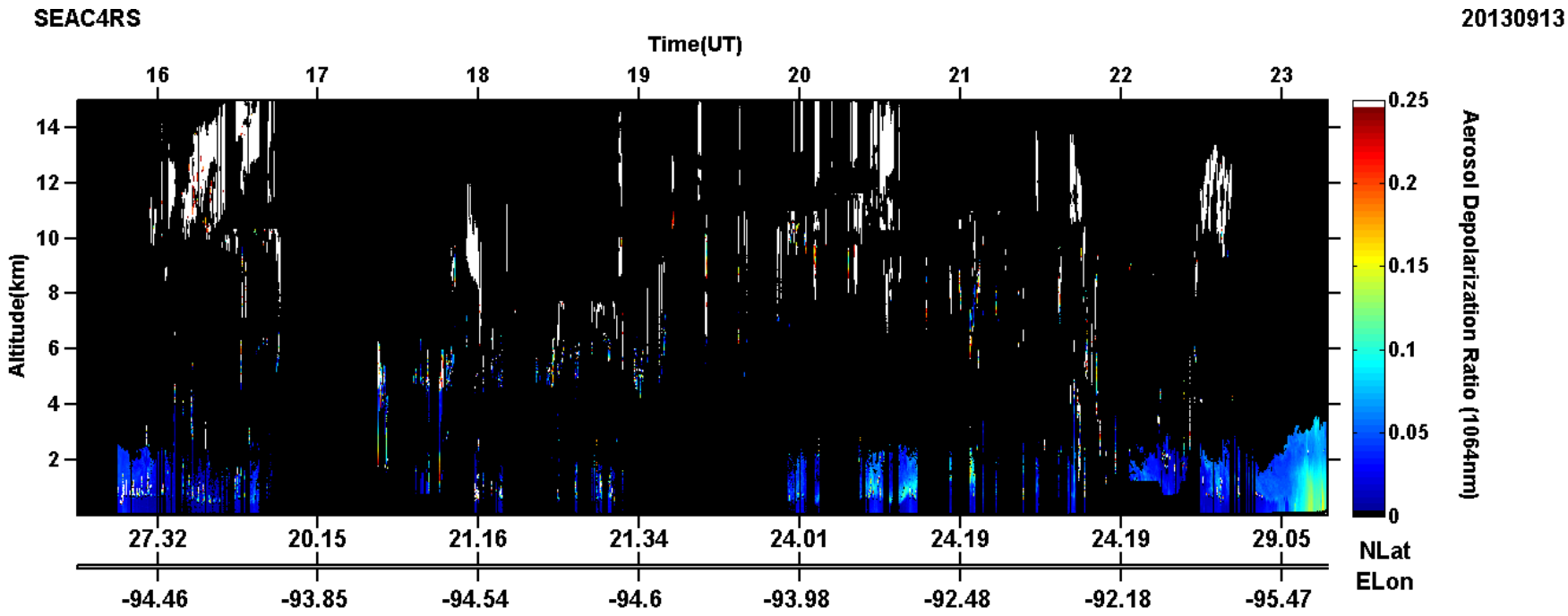
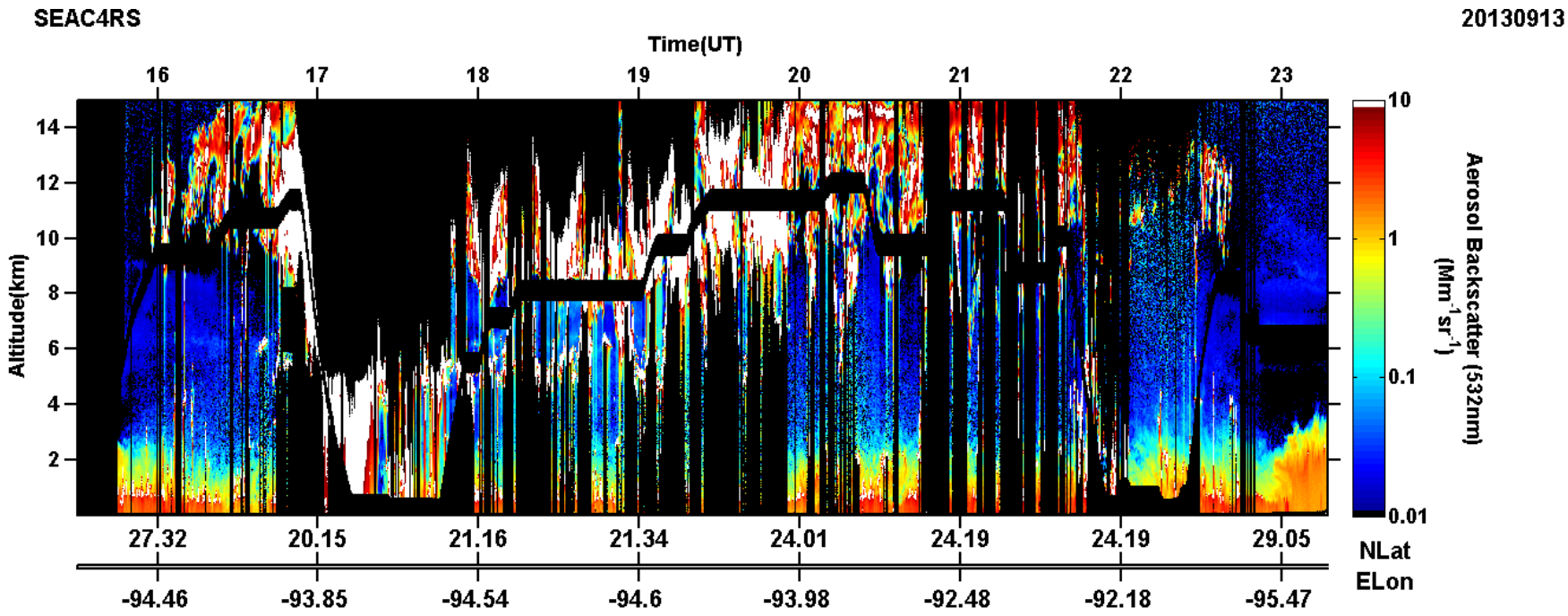
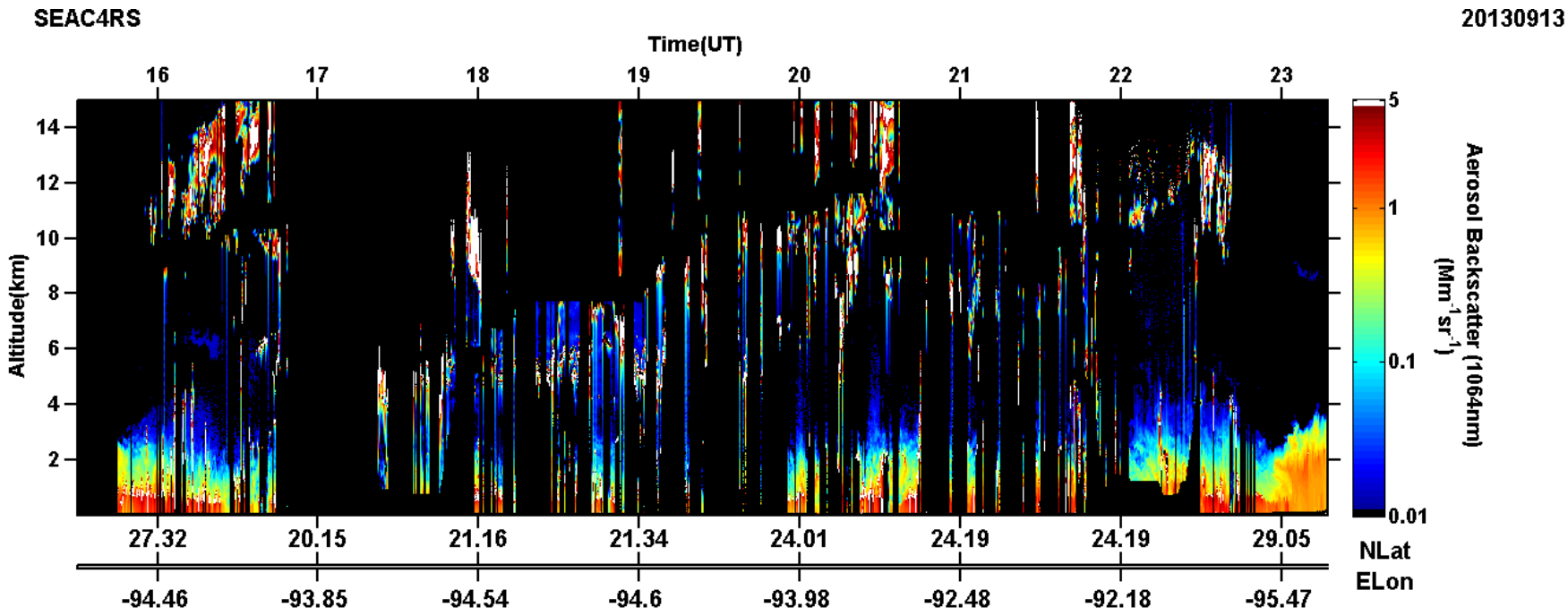
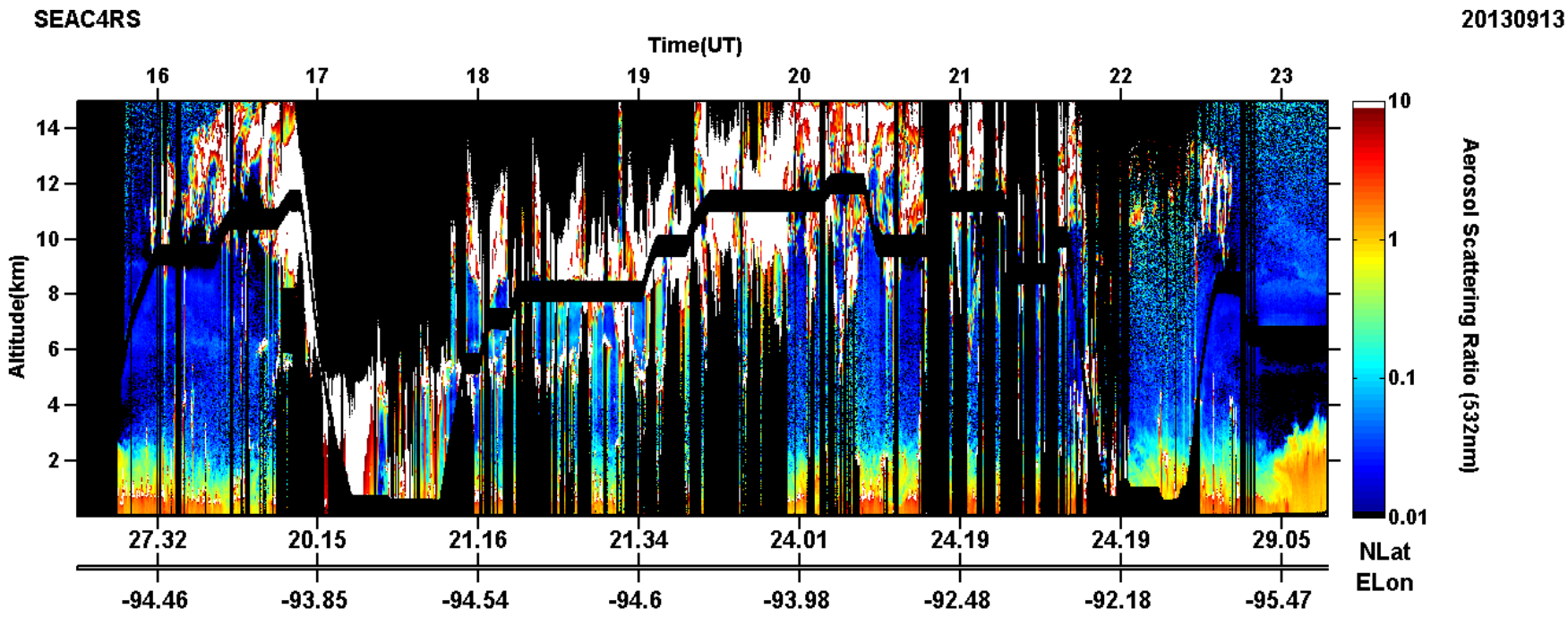
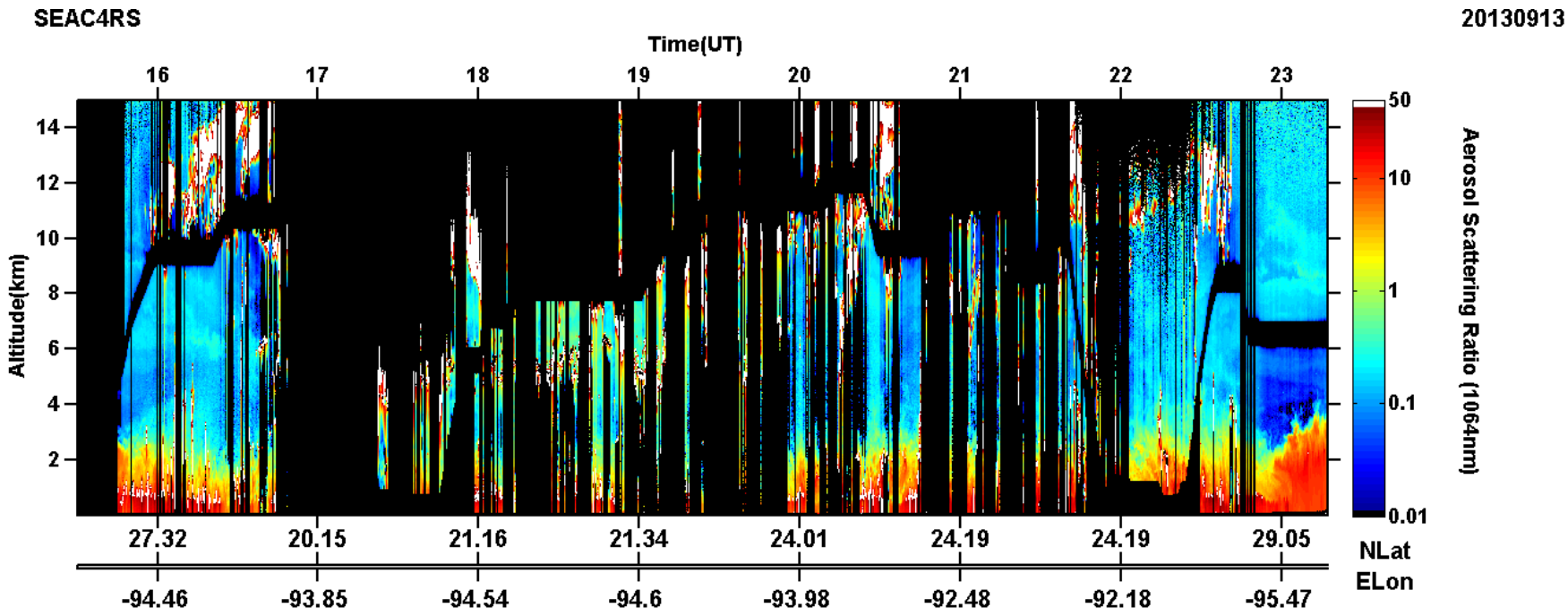

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)

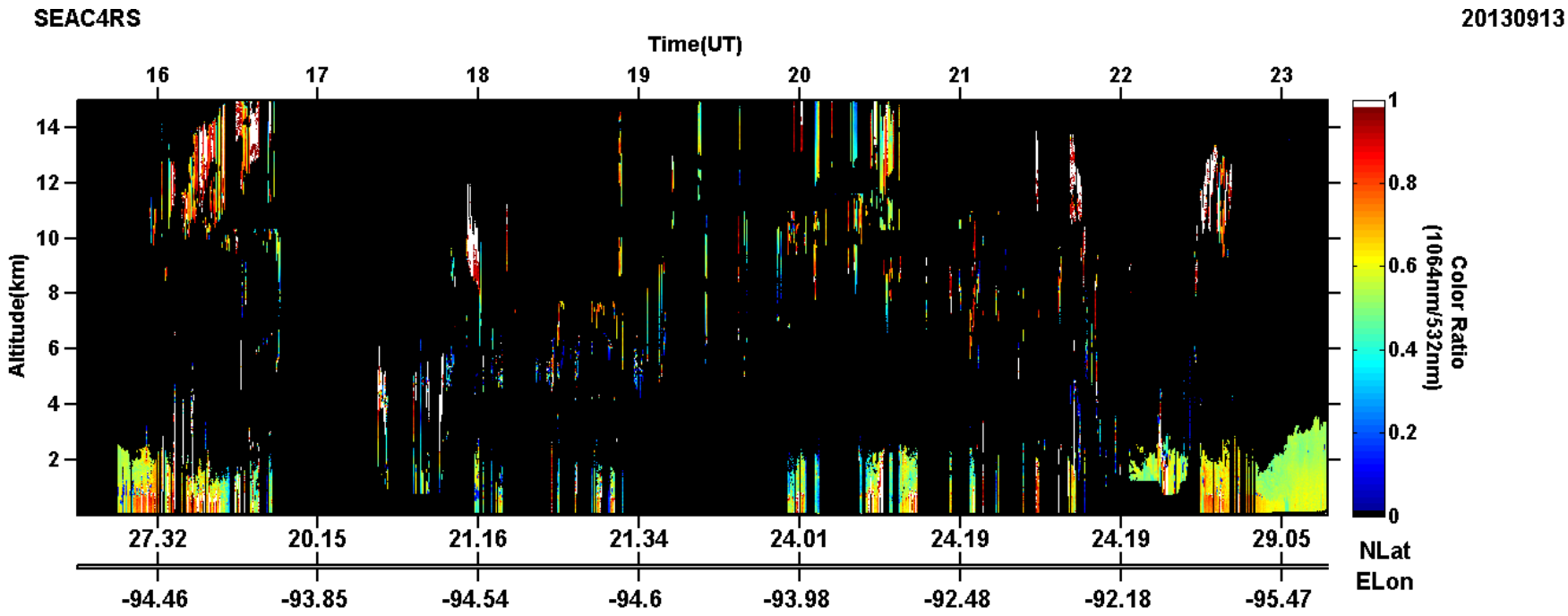

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)

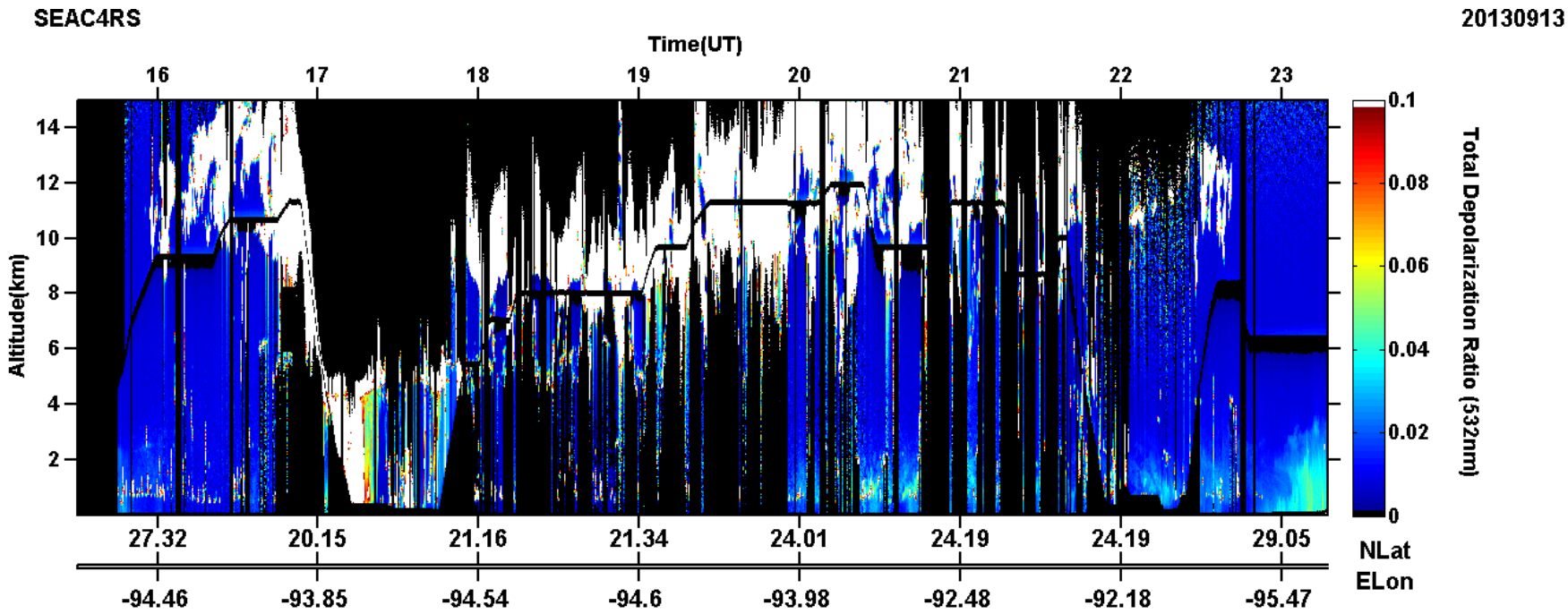

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
Aerosol Backscatter (532nm)
(Mm-1sr-1)
10
1
0.1
0.01

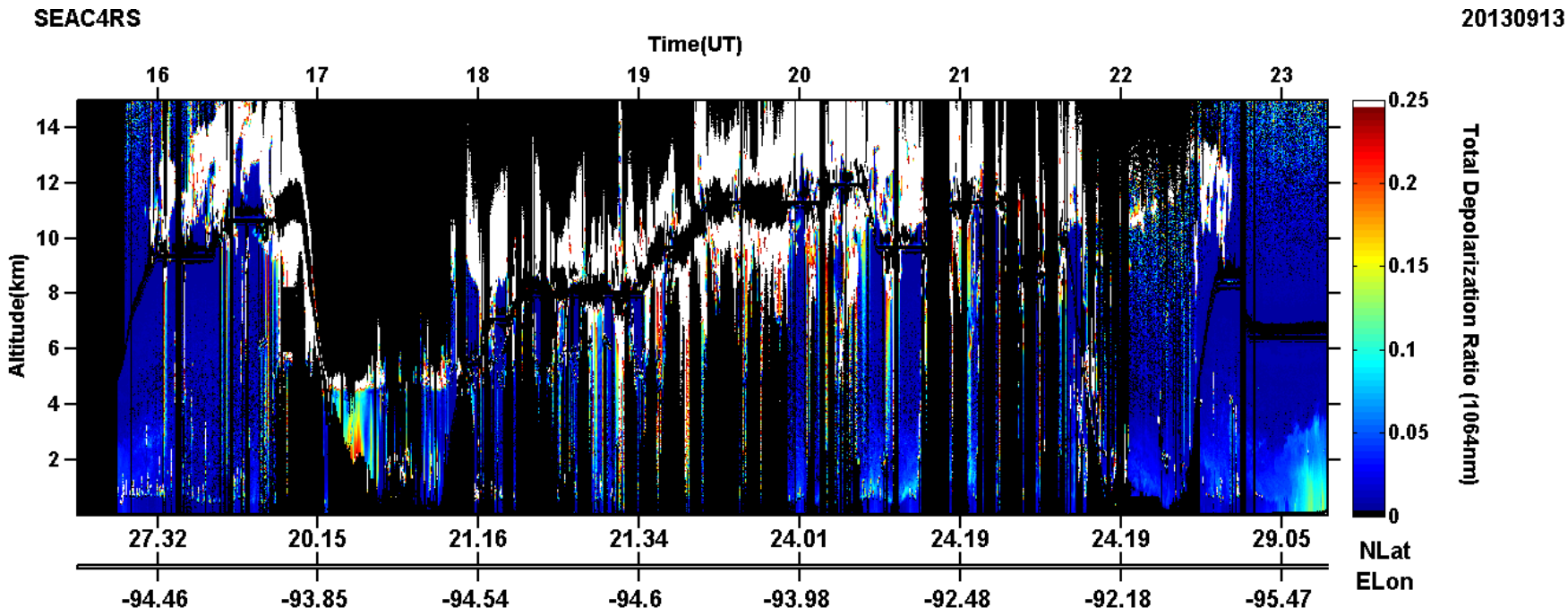

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)
5
1
0.1
0.01

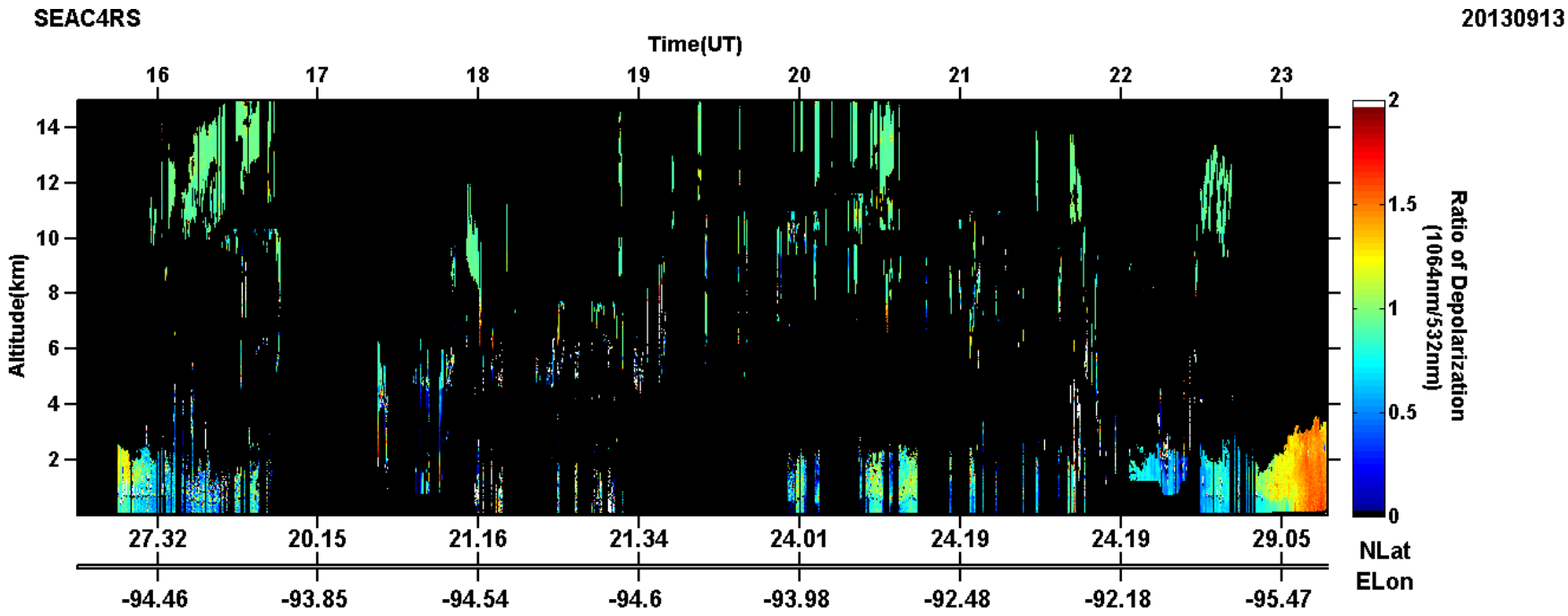

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

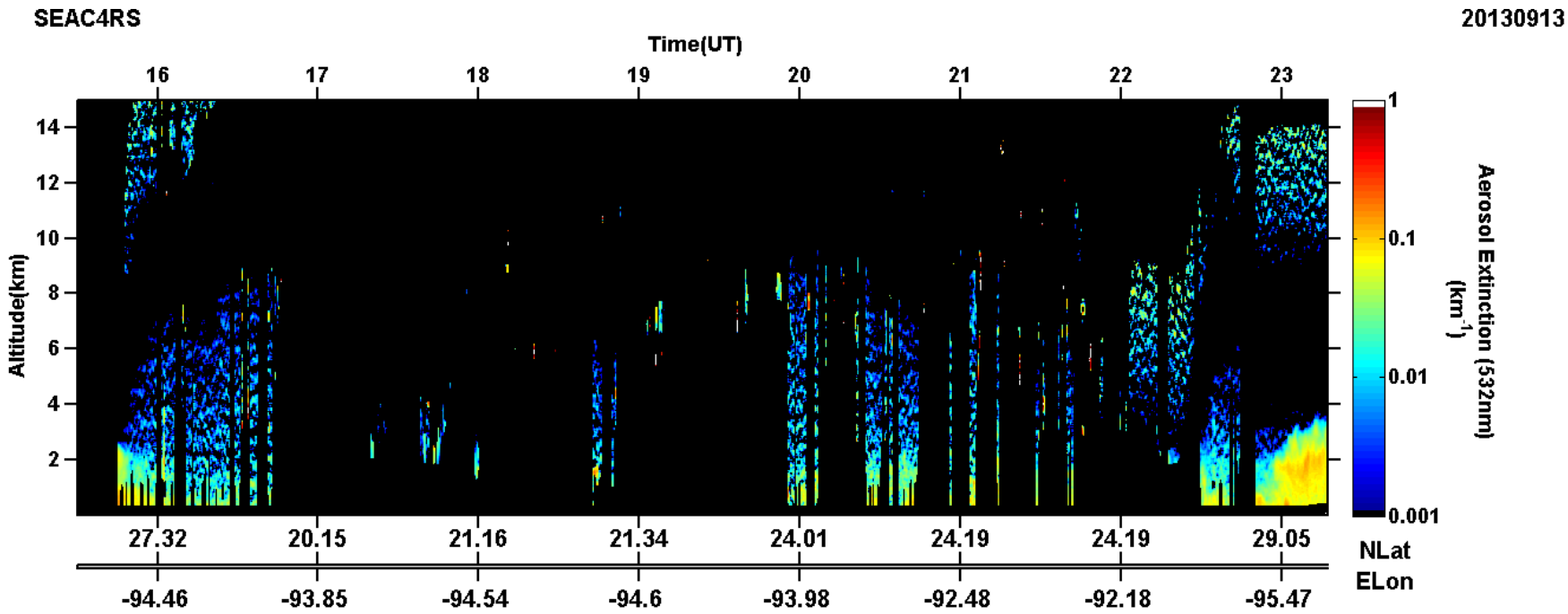

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

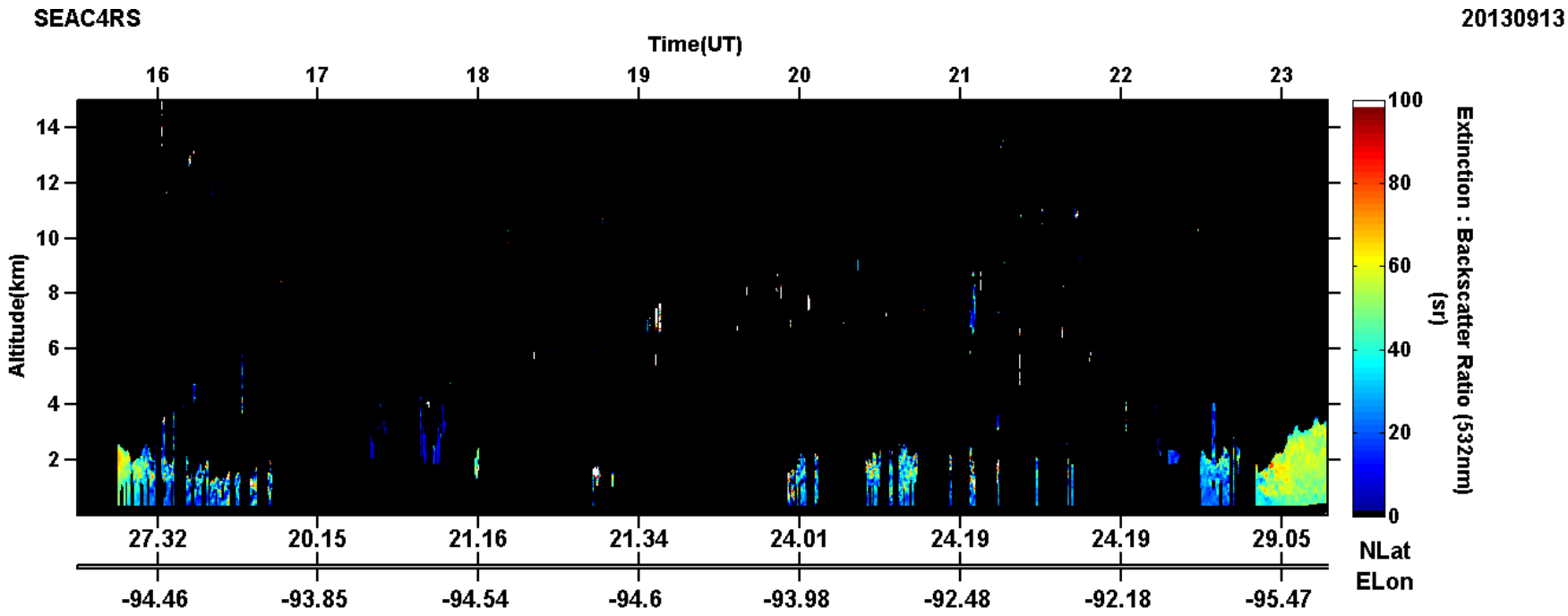

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

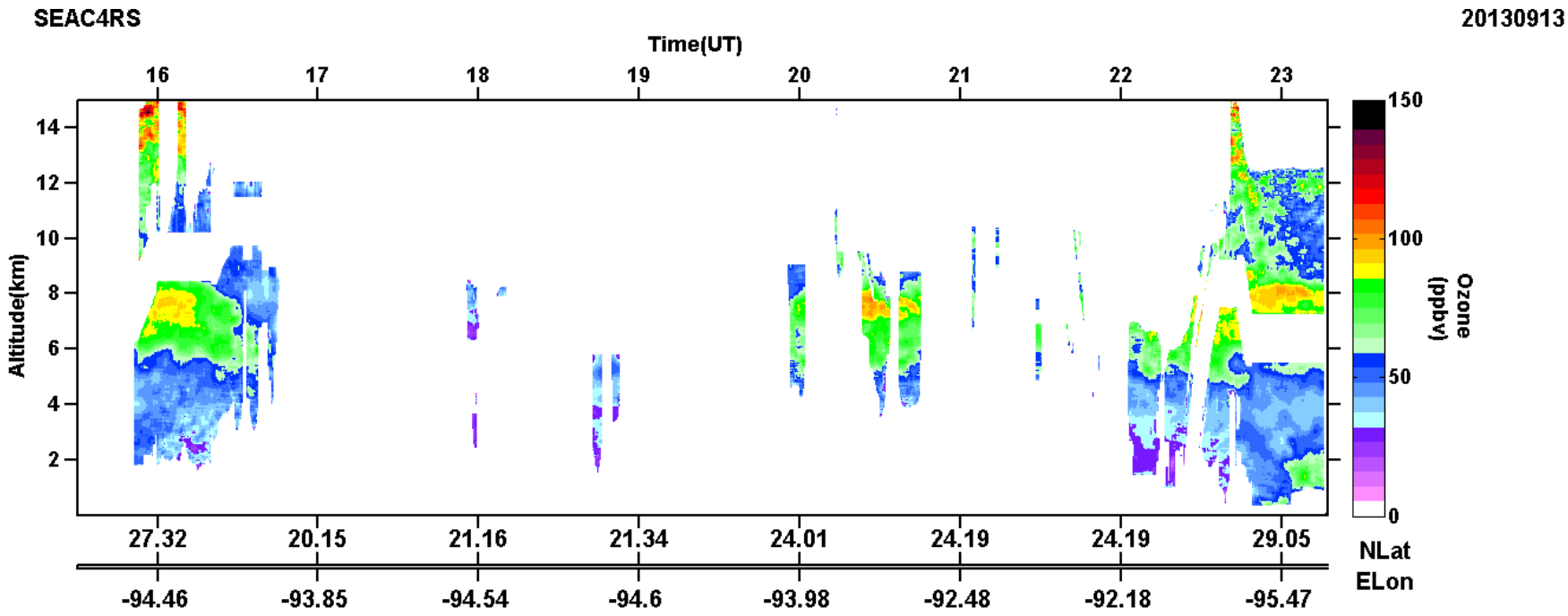

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

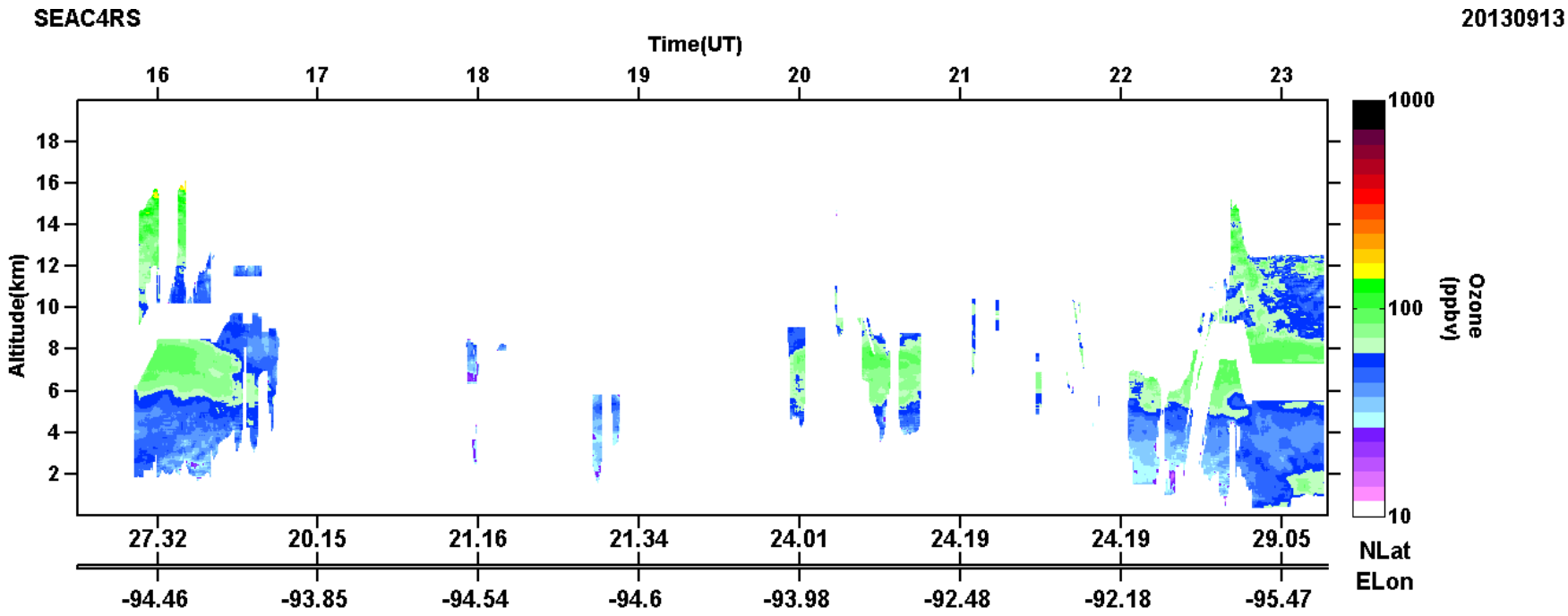

SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
Aerosol Extinction (532nm)
(km^{-1})
1
0.1
0.01
0.001


SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130913
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
18
16
14
12
10
8
6
4
2
27.32
20.15
21.16
21.34
24.01
24.19
24.19
29.05
NLat
-94.46
-93.85
-94.54
-94.6
-93.98
-92.48
-92.18
-95.47
ELon
1000
100
10
Ozone
(ppbv)